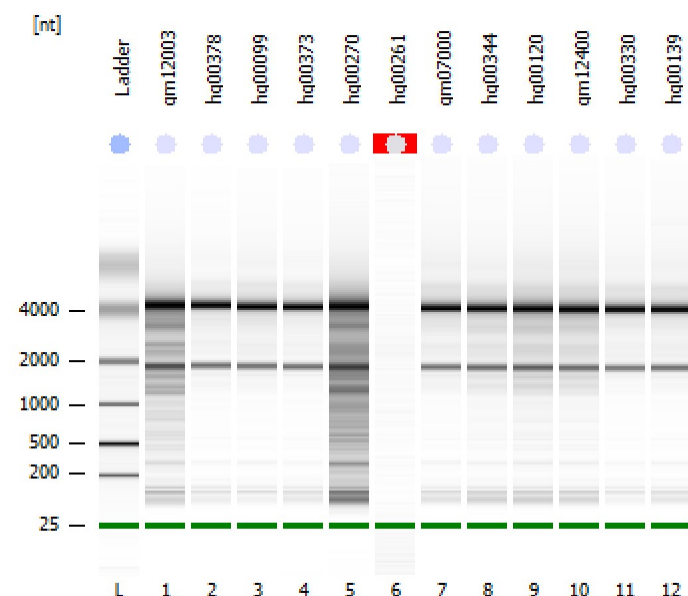


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_08-31-32.xad

Created: 10/18/2011 8:31:31 AM
Modified: 10/18/2011 8:55:40 AM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537

Firmware: C.01.069

Serial#: DE04105537

Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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Chip Information:

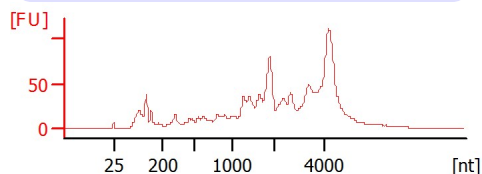
Chip Lot #:

Reagent Kit Lot #:

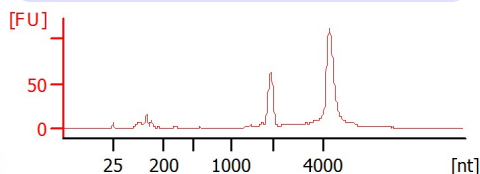
Chip Comments:

gm12003

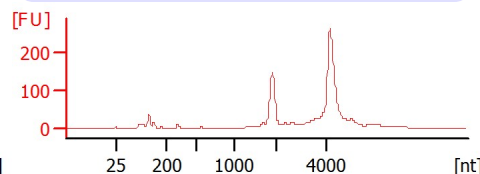
RIN: 6.20

**hg00378**

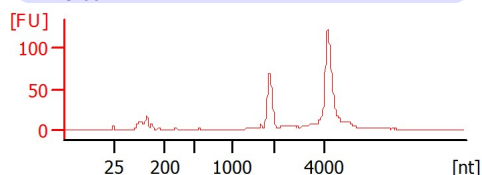
RIN: 9.50

**hg00099**

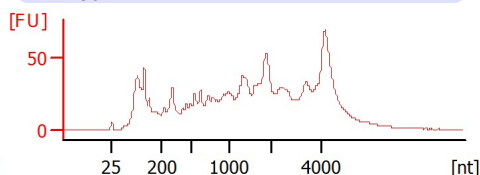
RIN: 9.30

**hg00373**

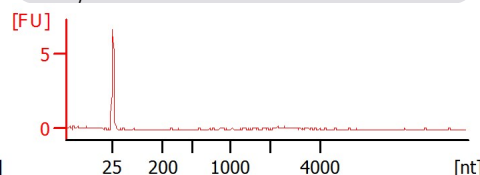
RIN: 9.60

**hg00270**

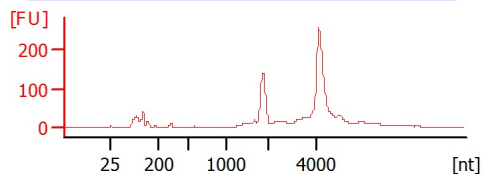
RIN: 4.90

**hg00261**

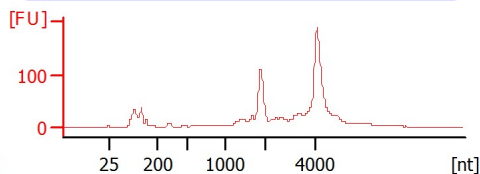
RIN N/A

**gm07000**

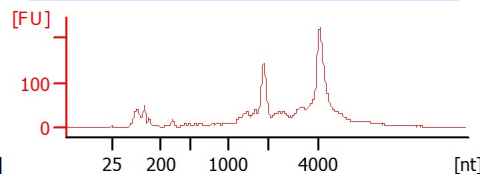
RIN: 9.20

**hg00344**

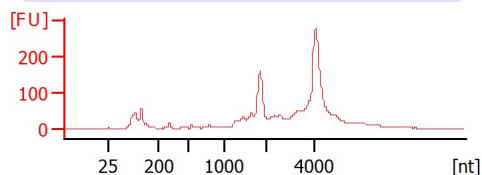
RIN: 8.70

**hg00120**

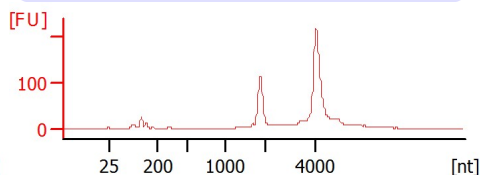
RIN: 8.50

**gm12400**

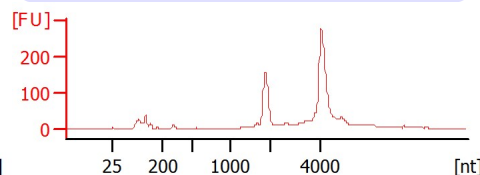
RIN: 8.30

**hg00330**

RIN: 9.40

**hg00139**

RIN: 9.40



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_08-31-32.xad

Created: 10/18/2011 8:31:31 AM
Modified: 10/18/2011 8:55:40 AM

Electrophoresis File Run Summary (Chip Summary)

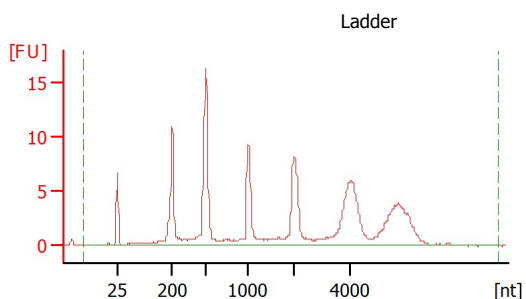
Sample Name	Sample Comment	Status	Result Label	Result Color
gm12003		✓	RIN: 6.20	
hg00378		✓	RIN: 9.50	
hg00099		✓	RIN: 9.30	
hg00373		✓	RIN: 9.60	
hg00270		✓	RIN: 4.90	
hg00261		✓	RIN N/A	
gm07000		✓	RIN: 9.20	
hg00344		✓	RIN: 8.70	
hg00120		✓	RIN: 8.50	
gm12400		✓	RIN: 8.30	
hg00330		✓	RIN: 9.40	
hg00139		✓	RIN: 9.40	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_08-31-32.xad

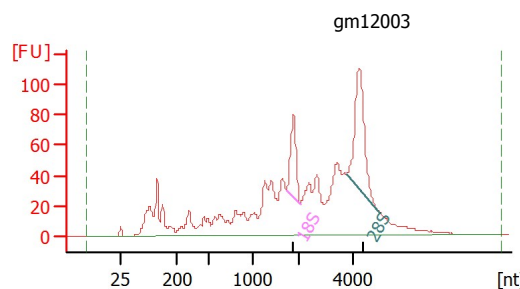
Created: 10/18/2011 8:31:31 AM
Modified: 10/18/2011 8:55:40 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 144.3
RNA Concentration: 150 ng/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

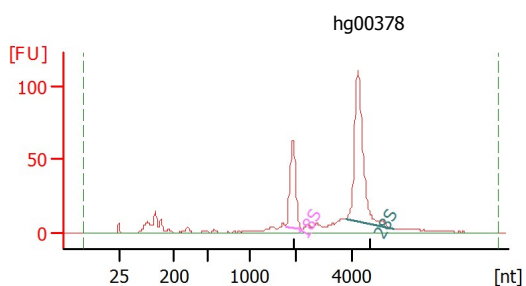


Overall Results for sample 1 : gm12003

RNA Area: 1,762.4
RNA Concentration: 1,832 ng/μl
rRNA Ratio [28s / 18s]: 2.1
RNA Integrity Number (RIN): 6.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 6.20

Fragment table for sample 1 : gm12003

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,744	2,077	94.7	5.4
28S	3,770	4,919	200.9	11.4

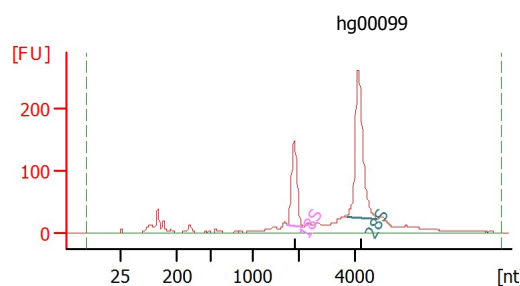


Overall Results for sample 2 : hg00378

RNA Area: 614.8
RNA Concentration: 639 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 9.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.50

Fragment table for sample 2 : hg00378

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,765	2,215	104.2	16.9
28S	3,751	5,527	232.3	37.8



Overall Results for sample 3 : hg00099

RNA Area: 1,530.8
RNA Concentration: 1,591 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 9.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.30

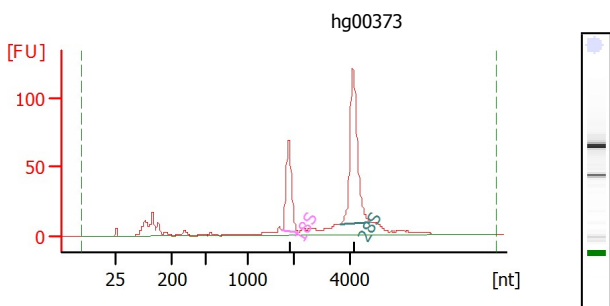
Fragment table for sample 3 : hg00099

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,755	2,184	239.9	15.7
28S	3,708	4,809	473.4	30.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_08-31-32.xad

Created: 10/18/2011 8:31:31 AM
 Modified: 10/18/2011 8:55:40 AM

Electropherogram Summary Continued ...

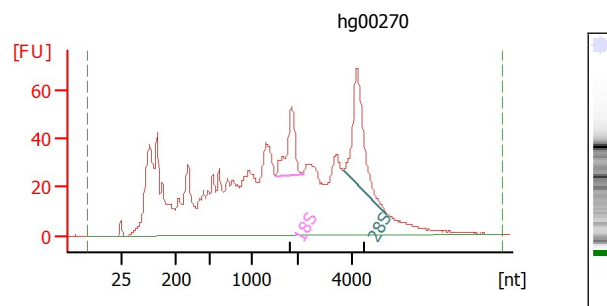


Overall Results for sample 4 : hg00373

RNA Area: 640.8
 RNA Concentration: 666 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 4 : hg00373

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,746	2,184	113.0	17.6
28S	3,662	4,779	222.7	34.8

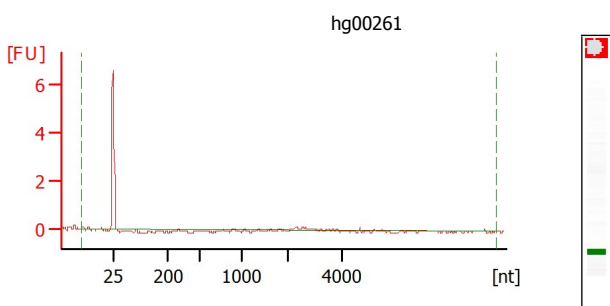


Overall Results for sample 5 : hg00270

RNA Area: 1,929.2
 RNA Concentration: 2,006 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 4.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.90

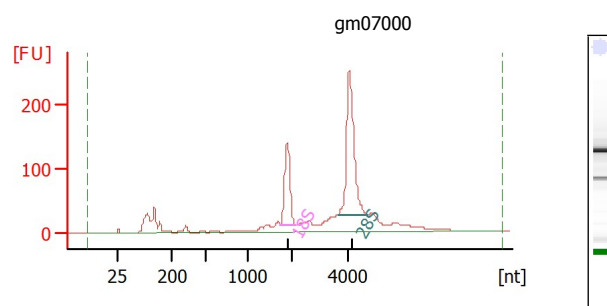
Fragment table for sample 5 : hg00270

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,530	2,210	73.9	3.8
28S	3,683	5,232	135.6	7.0



Overall Results for sample 6 : hg00261

RNA Area: 1.1
 RNA Concentration: 1 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A



Overall Results for sample 7 : gm07000

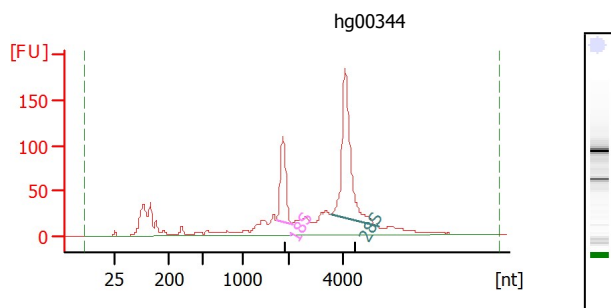
RNA Area: 1,642.7
 RNA Concentration: 1,708 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.20

Fragment table for sample 7 : gm07000

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,732	2,142	219.0	13.3
28S	3,634	4,756	450.6	27.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_08-31-32.xad

Created: 10/18/2011 8:31:31 AM
Modified: 10/18/2011 8:55:40 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : hg00344**

RNA Area: 1,518.9
RNA Concentration: 1,579 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 8.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.70

Fragment table for sample 8 : hg00344

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,721	2,125	163.1	10.7
28S	3,543	5,285	393.7	25.9